

## ABSTRACT

A simulation system that simulates a length of communication media is disclosed that is tunable. Examples of communication media include wire, coaxial cable, and fiber. The simulation system is comprised of a communication media simulator system. The communication media simulator system receives a service provider signal from a service provider. The communication media simulator system applies a load to the service provider signal to simulate the length of communication media. The communication media simulator system varies the load to adjust the length of communication media simulated.